

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS OF LIGATING EXPRESSED PROTEINS

the Specification of which

☐ is attached hereto

☒ was filed on November 13, 1998

as Application Serial No. 09/191,890

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified Specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any provisional application filed in the United States in accordance with 35 U.S.C. §1.119(e), or any application for patent that has been converted to a Provisional Application within one (1) year of its filing date, or any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

<u>APPLICATION</u>	<u>PRIOR FILED APPLICATION(S)</u>	<u>PRIORITY</u>
<u>NUMBER</u>	<u>COUNTRY (DAY/MONTH/YEAR FILED)</u>	<u>CLAIMED</u>

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in any prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a), which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NO. _____	FILING DATE (DAY/MONTH/YEAR)	STATUS - PATENTED, PENDING, ABANDONED _____
60/065,391	November 13, 1997	PENDING
60/093,990	July 24, 1998	PENDING

I hereby appoint as my attorneys or agents the following persons: Jack Matalon, (Attorney, Registration No. 22,441); Stefan J. Klauber (Attorney, Registration No. 22,604); David A. Jackson (Attorney, Registration No. 26,742); Donald J. Cox, Jr. (Attorney, Registration No. 37,804); Michael D. Davis (Attorney, Registration No. 39,161); William C. Coppola (Attorney, Registration No. 41,686); Mark S. Cohen (Attorney, Registration No. 42,425); Steven B. Stein (Attorney, Registration No. 43,159); Christine E. Dietzel (Agent, Registration No. 37,309); Yuan Kong (Agent, Registration No. P-43,728); and Michael A. Yamin (Agent, Registration No. P-44,414), said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence regarding this application to:

DAVID A. JACKSON, ESQ.
KLAUBER & JACKSON
411 HACKENSACK AVENUE
HACKENSACK, NEW JERSEY 07601

Direct all telephone calls to David A. Jackson at (201) 487-5800.


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

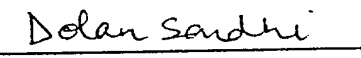
Date: 3/16/99

 [L.S.]
TOM W. MUIR


Date: 3/16/99

 [L.S.]
PHILIP A. COLE

Date: 3/16/99

 [L.S.]
DOLAN SONDHI

Date: 04/01/99

 [L.S.]
KONSTANTINE SEVERINOV

**Explanation of Declaration and
Power of Attorney with Revocation
and Change of Correspondence Address**

A copy of the Declaration which accompanied the parent case of the instant application (U.S. Patent Application No. 09/191,890, filed November 13, 1998) is enclosed herewith. In that Declaration, the law firm of Klauber & Jackson is listed as the attorneys of record with the Klauber & Jackson firm address in Hackensack, New Jersey indicated as the correspondence address.

Enclosed is a Power of Attorney with Revocation and Change of Correspondence Address which revokes the previous Power of Attorney and substitutes Dann Dorfman Herrell and Skillman, P.C. as the attorneys of record. Accordingly, please direct all correspondence in the present application to:

Patrick J. Hagan, Esq.
Dann Dorfman Herrell and Skillman, P.C.
1601 Market Street, Suite 720
Philadelphia, PA 19103-2307.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

MUIR, Tom W. et al.

Application No. Not Assigned

Filing Date: Concurrently Herewith

For: "METHODS OF LIGATING EXPRESSED PROTEINS"

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

**POWER OF ATTORNEY WITH REVOCATION
AND CHANGE OF CORRESPONDENCE ADDRESS**

The undersigned, on behalf of The Rockefeller University, Assignee of the above-identified patent application, hereby revokes any and all powers of attorney heretofore given in said application and appoints the following individuals as attorneys with the full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Patrick J. Hagan
Kathleen D. Rigaut

Reg. No. 27,643
Reg. No. 43,047

SEND CORRESPONDENCE TO: CUSTOMER NO. 000110

DANN, DORFMAN, HERRELL AND SKILLMAN
1601 Market Street
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Philadelphia, PA 19103-2307

Telephone: (215) 563-4100
Facsimile: (215) 563-4044

Assignee hereby certifies that the Assignment has been reviewed, and that to the best of Assignee's knowledge and belief, title is in the Assignee.

THE ROCKEFELLER UNIVERSITY

By Kathleen A. Denis
Kathleen A. Denis, Ph.D.
Director of Technology Transfer

May 3, 2001
Date

ASSIGNMENT

WHEREAS, we, the undersigned

TOM W. MUIR, a citizen of the United Kingdom,
residing at 500 East 63rd Street, Apt. 15B
New York, NY 10021; and

PHILIP A. COLE, a citizen of the United States,
residing at 500 East 63rd Street, Apt. 23J
New York, NY 10021

DOLAN SONDHI, a citizen of India,
residing at 504 East 63rd Street, Apt. 32R
New York, New York 10021; and

KONSTANTINE SEVERINOV, a citizen of Russia,
residing at 504 East 63rd Street
Apt. 18S
New York, New York 10021,

together with Jeffrey M. Friedman, have invented new and useful improvements in

METHODS OF LIGATING EXPRESSED PROTEINS

for which we have filed an Application for Letters Patent in the United States on November 13, 1998 as U.S. Serial No. 09/191,890; and

WHEREAS,

The Rockefeller University
an education corporation organized and existing under
the laws of the State of New York,
with offices at 1230 York Avenue, New York, New York 10021-6399

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, FOR other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

ASSIGNORS,

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

ASSIGNEE,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

ASSIGNEE,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

ASSIGNEE,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

ASSIGNEE,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

FULL NAME OF FIRST OR SOLE INVENTOR: Tom W. MUIR

COUNTRY OF CITIZENSHIP: UNITED KINGDOM

FULL RESIDENCE ADDRESS: 500 East 63rd Street, Apt. 15B
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SIGNATURE OF INVENTOR 

DATE 3/16/99

FULL NAME OF SECOND JOINT INVENTOR: Philip A. COLE

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SIGNATURE OF INVENTOR 

DATE 3/16/99

FULL NAME OF THIRD JOINT INVENTOR: Jeffrey M. FRIEDMAN

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New York, New York 10023

SIGNATURE OF INVENTOR 

DATE 3/23/99

Chemical	Concentration	Time	Temperature	Pressure	Flow Rate	Yield	Purity	Characterization
1,2-Dichloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	85%	98%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	78%	95%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	72%	92%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	75%	94%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	70%	90%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	73%	93%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	68%	88%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	71%	91%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	65%	85%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	69%	89%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	62%	82%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	66%	86%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	60%	80%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	63%	83%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	58%	78%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	61%	81%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	55%	75%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	59%	79%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	52%	72%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	56%	76%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	50%	70%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	53%	73%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	48%	68%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	51%	71%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	45%	65%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	49%	69%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	42%	62%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	46%	66%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	40%	60%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	43%	63%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	38%	58%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	41%	61%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	35%	55%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	39%	59%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	32%	52%	¹ H NMR, IR, MS
1,1,2,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	36%	56%	¹ H NMR, IR, MS
1,1,1,2-Tetrachloroethane	0.1 M	24 h	60 °C	1 atm	1.0 mL/min	30%	50%	